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DATE MAILED: 02/03/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,112 09/17/2003		Jonathan Lynch	PD-02W215	4757
75	7590 02/03/2005		EXAMINER	
Patent Docket Administration			CHOE, HENRY	
RAYTHEON C	COMPANY			
Bldg. EO/E4/N119			ART UNIT	PAPER NUMBER
P.O. Box 902			2817	
El Segundo, Ca	A 90245			

Please find below and/or attached an Office communication concerning this application or proceeding.

	·		(C M		
		Application No.	Applicant(s)		
		10/664,112	LYNCH, JONATHAN		
	Office Action Summary	Examiner	Art Unit		
		Henry K. Choe	2817		
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the	correspondence address		
THE - Exte after - If the - If NC - Failt Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. a period for reply specified above is less than thirty (30) days, a rep openiod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statutive to reply with the Set or extended period for reply will, by statutive the patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be ti oly within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS fron e, cause the application to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).		
Status					
1)🖂	Responsive to communication(s) filed on 17.5	September 2003.			
•	This action is FINAL . 2b)⊠ This action is non-final.				
3)					
,	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.		
Disposit	ion of Claims		· ·		
5)□ 6)⊠ 7)⊠	Claim(s) 1-30 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1,2,8,10,13 and 18-20 is/are rejected. Claim(s) 3-7,9,11,12,14-17 and 21-30 is/are objected to. Claim(s) are subject to restriction and/or election requirement.				
Applicat	ion Papers				
10)⊠	The specification is objected to by the Examinative drawing(s) filed on <u>17 September 2003</u> is Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examinative September 2003.	/are: a)⊠ accepted or b)□ obje e drawing(s) be held in abeyance. Se ction is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).		
Priority (under 35 U.S.C. § 119				
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureation attached detailed Office action for a list	nts have been received. Its have been received in Applica Ority documents have been receiv au (PCT Rule 17.2(a)).	tion No ved in this National Stage		
2) Notion Notion Notion Notion	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:			

DETAILED ACTION

Claim Objections

Claims 27-29 are objected to because of the following informalities: in line 1 of claim 27, should "27" be –28--. In line 1 of claim 28, should "28" be –29--. In line 1 of claim 29, should "29" be –30--.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 8, 10, 13 and 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Wallace et al [(2A, 3) It should be noted that the element 408 in Fig. 3 is same as the element 408 in Fig. 2A].

Regarding claims 1, 2, 13 and 20, Wallace et al (2A, 3) discloses an amplifier circuit comprising a plurality of amplification units (408s in Fig. 2A) arranged in a grid like structure on a monolithic substrate (410), and a grid-bias network (-5V, +5V in Fig. 3) which separates the amplification units (408s) to provide a DC power (+5V, -5V) to the amplification units (408s) and wherein each amplification unit (408) includes biasline bypass circuits (a connection between +5V and amplification unit and a connection between –5V and amplification unit) in a periodic structure.

Regarding claim 8, wherein each amplification unit (408) includes a power amplifier (508 in Fig. 3).

Regarding claims 10, 18 and 19, the amplification unit (408) further includes a receive antenna (502), a power amplifier (520) which receives a bias voltage (+5V), and the amplification unit (408) inherently includes a transmit antenna since the amplification unit (408) cannot transmit a signal without the transmit antenna.

Allowable Subject Matter

Claims 3-7, 9, 11, 12, 14-17 and 21-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Patent numbers (4,553,053; 4,074,151) are the plurality of amplifiers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry Choe whose telephone number is (571) 272-1760.

HENRY CHOE
PRIMARY EXAMINER